

Enhanced security fingerprint sensor package and related methods

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Abstract

A fingerprint sensor package includes a tamper-resistant housing, a fingerprint sensor mounted in the housing, an encryption output circuit mounted within the housing and operatively connected to the fingerprint sensor for generating an encrypted output signal related to a sensed fingerprint. The fingerprint sensor package may include a processor operatively connected between the fingerprint sensor and the encryption circuit. The package includes a reference fingerprint memory for storing reference fingerprint information. The processor has the capability to determine if a sensed fingerprint matches a stored reference fingerprint. A removing circuit is provided for removing reference

fingerprint information from the reference fingerprint storage means responsive to tampering. 

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